

# Gabriel PREDUȘCĂ

## Lista de publicații

### Lista celor mai relevante publicații

- [1] Predusca G., *Improvement of the static amplification factor  $\beta$  in the case of BJT*, Journal of Science and Arts 2018, No.2(43), pp.515-522, ISSN: 1844 – 9581, WOS:000436646200023 (Q4 / FI: 0,3 în 2024), [link](#).
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- [3] Fluieraru C.P., Predusca G., Andrei H., Diaconu E., Cotfas P., Cotfas D., *Determination of technological features of solar photovoltaic cell made of monocrystalline silicon P+PNN+*, International Journal of Photoenergy/ Advancements in Photovoltaic Cell and System Technologies, Volume 2019, pp.1-14, ISSN: 1110662X, DOI: 10.1155/2019/7945683, WOS:000500795000002 (Q3 / FI: 2,7 în 2024), [link](#).
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- [5] Sachelarie D., Predusca G., Stanciu G.A., Stanciu S.G., *Tunneling at emitter periphery in silicon nitride passivated InP/InGaAs HBTs*, Proc. IEEE 20<sup>th</sup> Indium Phosphide and Related Materials Conference, 25-29 May 2008, Versailles – France, IEEE Catalog Number: CFP08IIP-CDR, pp.1-4, ISBN: 978-1-4244-2259-3, ISSN:1092-8669; DOI: 10.1109/ICIPRM.2008.4703001, WOS:000267695700110, [link](#).
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- [8] Andrei H., Ivanovici T., Predusca G., Diaconu E., Andrei P.C., *Curve Fitting method for Modeling and Analysis of Photovoltaic Cells Characteristics*, 2012 IEE International Conference on Automation, Quality and Testing, Robotics (AQTR 2012), May 24-27, Cluj-Napoca, România, pp.307-312, ISBN: 978-1-4673-0701-7, DOI: 10.1109/AQTR.2012.6237722, WOS:000400227100055, [link](#).
- [9] Andrei H., Ivanovici T., Predusca G., Andrei P.C., Diaconu E., *Irradiance Sensitivity of The Model Parameters of Photovoltaic Cells*, OPTIM 2012 – 13<sup>th</sup> International Conference on Optimization of Electrical and Electronic Equipment, May 24-26, 2012, Brașov, România,

pp.893-898, ISBN: 978-1-4673-1650-7, DOI: 10.1109/OPTIM.2012.6231796, WOS:000398866700134, [link](#).

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- [1] Ion F., Ionel M., Predusca G., *The effect of the output capacitor on the power spectrum of the EMI radiation, the output voltage ripple and the efficiency of a SEPIC converter*, WSEAS

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- [1] Predusca G., Ion F., Diaconu E., Dușcu C., *The automation of the car acces system using logical circuits FPGA*, 13<sup>th</sup> WSEAS International Conference on Automation & Information (ICAI '12), June 13-15, 2012, Iași, România, publicat in Latest Advances in Information Science, Circuits and Systems, pp.128-132, ISBN: 978-1-61804-099-2, [link](#).
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Semnătura,

